4. □□

English | □□

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[stats.ts [tmp/cordis-tutorial □□□□□□□□□□□□□□□□□□□□□□□□□□

```
import { Service, type Context } from '@deepseek-ai/cordis'

declare module '@deepseek-ai/cordis' {
  interface Context {
    stats: StatsService
  }
  interface Events {
    'stats/report'(name: string, count: number): void
  }
}

export class StatsService extends Service {
  private counts = new Map<string, number>()

  constructor(ctx: Context) {
    super(ctx, 'stats')
  }

  bump(name: string) {
    const next = (this.counts.get(name) ?? 0) + 1
    this.counts.set(name, next)
    this.ctx.emit('stats/report', name, next)
  }
}
```

```
export const name = 'stats'

export function apply(ctx: Context) {
  ctx.plugin(StatsService)
}
```

`interface Events` [illegible] `interface Context` [illegible] `ctx.emit` [illegible] `ctx.on` [illegible] `namespace/action` [illegible]

[illegible] `reporter.ts` [illegible]

```
import type { Context } from '@deepseek-ai/cordis'
import type {} from './stats.ts'

export const name = 'reporter'
export const inject = ['stats']

export function apply(ctx: Context) {
  ctx.on('stats/report', (name, count) => {
    console.log(`[stats] ${name} -> ${count}`)
  })
  ctx.stats.bump('tool_call')
  ctx.stats.bump('tool_call')
  ctx.stats.bump('prompt')
}
```

`import type {} from './stats.ts'` [illegible] TypeScript [illegible]

```
- name: './stats.ts'
- name: './reporter.ts'
```

```
[stats] tool_call -> 1
[stats] tool_call -> 2
[stats] prompt -> 1
```

[illegible] `ctx.on()` [illegible] effec `removeListener` [illegible]

[illegible]

`emit` [illegible] 5 [illegible]

□□	□□	□□
emit	`ctx.emit(name, ...args)`	□□□□□□□□□□□□□□□ promise □□□
parallel	`await ctx.parallel(name, ...args)`	□□□□□□□□□□□□□□□□
serial	`await ctx.serial(name, ...args)`	□ `null` □ `false` □ `undefined` □□□□□□□□□□□□□□□□
bail	`ctx.bail(name, ...args)`	serial □□□□□□
waterfall□□□□□□□	`ctx.waterfall(name, ...args, next)`	□□□□□□□□□□

□□ harness□□□□□□□□□□□□□□□□

waterfall□□□□□

waterfall □ `next()` □□□□□□□□□□ `next()` □ `next()` □□□□□□□□□□□□ `waterfall-demo.ts` □□□□□□□□□□□□□□□□□

```
import type { Context } from '@deepseek-ai/cordis'

declare module '@deepseek-ai/cordis' {
  interface Events {
    'demo/transform'(input: string, next: () => Promise<string>): Promise<string>
  }
}

export const name = 'waterfall-demo'

export function apply(ctx: Context) {
  // Listener 1: wrap the downstream result.
  ctx.on('demo/transform', async (input, next) => {
    const downstream = await next()
    return downstream.toUpperCase()
  })

  // Listener 2: short-circuit when it owns the decision.
  ctx.on('demo/transform', async (input, next) => {
    if (input.includes('blocked')) return '** blocked **'
    return next()
  })

  void (async () => {
```

```
    console.log(await ctx.waterfall('demo/transform', 'hello', async () => 'hello'))
    console.log(await ctx.waterfall('demo/transform', 'blocked words', async () => 'blocked words'))
  })()
}
```

[cordis.yml]

```
HELLO
** BLOCKED **
```

[next()] blocked] [next()] [ctx.waterfall] 1

wa next() [next()] waterfall]

harness waterfa agent/request [approval/request]

[cordis.yml]

Image not found or type unknown

#1
3 2026 16:58:44
3 2026 17:02:14